

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)	
KATZ ET AL.)	Examiner: JUNG, M.
)	
This application is a Rule 53)	Art Unit: 2663
Continuation of USSN Serial No.)	
08/984,284)	Attorney Docket No.:
)	50563CON1
Serial No. Not yet assigned)	
)	
Filing Date: June 25, 2001)	
)	
For: USER SELECTABLE OVERLAP AND)	
EN-BLOC DIALING OF ISDN LINE)	
)	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to the calculation of fees and examination of the present application, please enter the amendments and remarks set out below.

In the Specification:

Please replace the paragraph beginning at page 1, line 2, with the following rewritten paragraph:

This application is a continuation of pending application U.S. Serial No. 08/984,284 filed on December 3, 1997, which is a continuation-in-part of U.S. patent application Serial No. 08/855,117, filed May 13, 1997, entitled: "Test Set Using ISDN Bearer Channel for Testing Telephone Line," by R. Soto et al (hereinafter referred to as the '117 application), now abandoned, assigned to the assignee of the present application, and the disclosure of which is herein incorporated.

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Please replace the paragraph beginning at page 1, line 9, with the following rewritten paragraph:

The invention disclosed in the present application also relates to subject matter disclosed in the following co-pending U.S. patent applications, each of which is filed coincident with the filing of the present application, is assigned to the assignee of the present application, and the disclosures of which are incorporated herein: Serial No. 08/984,287, entitled "Testing of ISDN Line via Auxiliary Channel Signaling," by M. Dipperstein et al, (hereinafter referred to as the '287 application); Serial No. 08/984,515, entitled "Automated Master-Slave Connectivity for Dry Loop ISDN Line," by R. Soto et al, (hereinafter referred to as the '515 application) now abandoned; Serial No. 08/984,230, entitled "Call Yourself BERT Testing of ISDN Line," by M. Kennedy et al, (hereinafter referred to as the '230 application), now U.S. Patent No. 5,982,851, issued November 9, 1999; and Serial No. 08/984,233, entitled "Interactive Contextual-Based Assistance for Portable ISDN Test Set," by P. Katz et al, (hereinafter referred to as the '233 application).

In the claims:

Please cancel Claims 1.

Please add new Claims 43 to 61.

43. A method of placing a call from an integrated services digital network (ISDN) telecommunications device over a communication circuit comprising the steps of:

(a) providing said ISDN telecommunications device with a multiple mode ISDN dialing mechanism containing overlap mode ISDN dialing and enbloc mode ISDN dialing; and

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(b) for an OFF-HOOK condition of said ISDN telecommunications device, causing said ISDN telecommunications device to place a call using said overlap mode ISDN dialing contained in said multiple mode ISDN dialing, whereas for an ON-HOOK condition of said ISDN telecommunications device, causing said ISDN telecommunications device to place a call using said enbloc mode ISDN dialing of said multiple mode ISDN dialing mechanism.

44. The method according to claim 43, wherein said ISDN telecommunications device comprises an ISDN test set.

45. The method according to claim 43, wherein
said overlap mode ISDN dialing is operative, when executed in step (b), to transmit an overlap mode call set-up message that causes a network communications device coupled to said communication circuit to send back a call set-up acknowledgment message, and is thereafter operative to transmit a cascaded sequence of D channel information messages, each containing the identification of a respective digit of a called number, and wherein

said enbloc mode ISDN dialing is operative, when executed in step (b), to transmit an enbloc mode call set-up message containing identifications of all of the digits of a called number.

46. The method according to claim 45, wherein
said overlap mode ISDN dialing is further operative, when executed in step (b), to generate an audible dial tone in response to said set-up acknowledgment message, and wherein

said enbloc message contains identifications of all of the digits of the most recently dialed number.

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47. The method according to claim 45, wherein

said overlap mode ISDN dialing is further operative to store respective digits of a called number and, when executed in step (b), to transmit said cascaded sequence of D channel information messages identifying said respective digits of said called number as stored in step (a), and wherein

said enbloc mode ISDN dialing is further operative, when executed in step (b), to simulate a far end ringing signal, in response to receipt of a call set-up acknowledgment message from a network communications device coupled to said communication circuit.

48. The method according to claim 45, wherein

said overlap mode ISDN dialing is further operative, when executed in step (b), to transmit said cascaded sequence of D channel information messages identifying said respective digits of a called number as keyed in by a user of said telecommunications device.

49. The method according to claim 45, wherein said overlap mode ISDN dialing is further operative, when executed in step (b), to transmit a sequence of DTMF tones respectively associated with said cascaded sequence of D channel information messages identifying digits of said called number.

50. The method according to claim 45, wherein said overlap mode ISDN dialing is further operative to store respective digits of a called number and, when executed in step (b), to transmit said cascaded sequence of D channel information messages identifying respective digits of a selected one of said called number as stored in step (a), and another called number as keyed in by a user of said telecommunications device.

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51. The method according to claim 45, wherein said overlap mode ISDN dialing is further operative, when executed in step (b), to simulate a far end ringing signal, in response to receiving a message from said network communications device indicating that it has received said cascaded sequence of D channel information messages identifying respective digits of said called number.

52. An integrated services digital network (ISDN) telecommunications device comprising an ISDN interface, and a supervisory control processor which is operative to cause said ISDN interface, when coupled to a communication circuit, to exchange, with a device coupled to a second location of said communication circuit, digital communication messages over an ISDN channel, and including a dialing mechanism that includes overlap mode ISDN dialing and enbloc mode ISDN dialing, and being operative, for an OFF-HOOK condition of said ISDN telecommunications device, to place a call using said overlap mode ISDN dialing, whereas for an ON-HOOK condition of said ISDN telecommunications device, to place a call using said enbloc mode ISDN dialing.

53. The ISDN telecommunications device according to claim 52, wherein said telecommunications device comprises an ISDN test set.

54. The ISDN telecommunications device according to claim 52, wherein said overlap mode ISDN dialing is operative to transmit an overlap mode call set-up message that causes a network communications device coupled to said communication circuit to send back a call set-up acknowledgment message, and is thereafter operative to transmit a cascaded sequence of D

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channel information messages, each containing the identification of a respective digit of a called number, and wherein said enbloc mode ISDN dialing is operative to transmit an enbloc mode call set-up message containing identifications of all of the digits of a called number.

55. The ISDN telecommunications device according to claim 54, wherein said overlap mode ISDN dialing is operative to generate an audible dial tone in response to said set-up acknowledgment message, and wherein said enbloc message contains identifications of all of the digits of the most recently dialed number.

56. The ISDN telecommunications device according to claim 54, wherein said overlap mode ISDN dialing is operative to store respective digits of a called number and to transmit said cascaded sequence of D channel information messages identifying said respective digits of said stored called number, and wherein said enbloc mode ISDN dialing is operative to simulate a far end ringing signal, in response to receipt of a call set-up acknowledgment message from a network communications device coupled to said communication circuit.

57. The ISDN telecommunications device according to claim 54, wherein said overlap mode ISDN dialing is operative to transmit said cascaded sequence of D channel information messages identifying said respective digits of a called number as keyed in by a user of said telecommunications device.

58. The ISDN telecommunications device according to claim 54, wherein said overlap mode ISDN dialing is operative to

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transmit a sequence of DTMF tones respectively associated with said cascaded sequence of D channel information messages identifying digits of said called number.

59. The ISDN telecommunications device according to claim 54, wherein said overlap mode ISDN dialing is operative to store respective digits of a called number and to transmit said cascaded sequence of D channel information messages identifying respective digits of a selected one of said stored called number and another called number as keyed in by a user of said telecommunications device.

60. The ISDN telecommunications device according to claim 54, wherein said overlap mode ISDN dialing is further operative to simulate a far end ringing signal, in response to receiving a message from said network communications device indicating that it has received said cascaded sequence of D channel information messages identifying respective digits of said called number.

61. A method of determining whether a communication circuit is qualified for integrated services digital network (ISDN) signalling comprising the steps of:

(a) for an ON-HOOK condition of said ISDN telecommunications device coupled to said communication circuit, attempting to place a call therefrom over said communication circuit using enbloc mode ISDN dialing; and

(b) providing an indication of whether said communication circuit is qualified for ISDN signalling in accordance with whether a call set-up acknowledgment message is received by said ISDN telecommunications device from a network communications device coupled to said communication circuit.


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REMARKS

It is believed that all of the claims submitted, 43-61, are patentable over the prior art. Accordingly, after the Examiner completes a thorough examination and finds the claims patentable, a Notice of Allowance is respectfully requested in due course. Should the Examiner determine any minor informalities that need to be addressed, he is encouraged to contact the undersigned attorney at 407-841-2343.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned **"Version With Markings to Show Changes Made."**

Respectfully submitted,



CHARLES E. WANDS
Reg. No. 25,649



27975

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

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In the Claims:

Claims 1-42 have been canceled.

Claim 43-61 have been added.